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sending a second biphasic pulse at a second time instance after a time interval, wherein said first biphasic pulse and the second biphasic pulse are different types,

wherein the time interval between said first time instance and said second time instance represents at least a first set of the data bits, said first set of data bits comprising more than one data bit.

2. (Amended) The method according to claim 1, wherein said odd type of said biphasic pulse and said even type of said biphasic pulse being connected by different sequences of the positive pulse and the negative pulse.

8. (Amended) An apparatus for transmitting a sequence of data bits through a data transmission line using biphasic pulses, each of the biphasic pulses comprising a positive and a negative pulse, wherein said biphasic pulses comprises even and odd type, each having a different sequence of the positive pulse and negative pulse comprising:

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a marking generator coupled to said transmission line for generating a sequence of alternating odd and even biphasic pulses, each of two consecutive biphasic pulses being separated by a time interval, said time interval representing a first set of data bits, wherein said first set of data bits comprises more than one data bit.

18. (Amended) A method of transmitting a sequence of data bits, comprising:
- transmitting a sequence of biphasic pulses comprising odd type and even type, wherein each biphasic pulse is of a different type when